

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the present application.

LISTING OF CLAIMS

Claims 1 to 10. (Canceled).

11. (Currently Amended) An electric contact, comprising:
a metallic substrate; and
a contact layer which is applied to the metallic substrate, wherein the contact layer includes a structured layer;
wherein structuring for the structured layer includes particles dispersed in a matrix, at least some of the dispersed particles having a greater hardness than the matrix and made of at least one of aluminum oxide, zirconium oxide, yttrium oxide, a titanium aluminide, and a ruthenium alloy phase.

12. (Previously Presented) The electric contact of claim 11, wherein structuring for the structured layer is such that particles having a size between 1 nm and 1 μ m are dispersed in a matrix.

13. (Previously Presented) The electric contact of claim 12, wherein the proportion of the particles dispersed in the matrix is between 1 vol.% and 50 vol.%.

Claim 14. (Canceled).

15. (Currently Amended) ~~[[The]]~~ An electric contact of claim 12, comprising:
a metallic substrate; and
a contact layer which is applied to the metallic substrate, wherein the contact layer includes a structured layer;
wherein structuring for the structured layer is such that particles having a size between 1 nm and 1 μ m are dispersed in a matrix;
wherein at least some of the dispersed particles are made of a solid-state lubricant, the solid-state lubricant including at least one of graphite and molybdenum disulfide.

16. (Previously Presented) The electric contact of claim 12, wherein the dispersed particles are oil capsules or oil cavities.

17. (Previously Presented) The electric contact of claim 16, wherein the oil capsules include at least one of a lubricant having antioxidants and antiadhesive additives and are bounded by a polymer skin.

18. (Currently Amended) ~~[[The]]~~ An electric contact of claim 12, comprising:
a metallic substrate; and
a contact layer which is applied to the metallic substrate, wherein the contact layer
includes a structured layer;
wherein structuring for the structured layer is such that particles having a size
between 1 nm and 1 μ m are dispersed in a matrix;
wherein the matrix is made of silver or a silver alloy and the dispersion structure is produced electrolytically.

19. (Currently Amended) ~~[[The]]~~ An electric contact of claim 12, comprising:
a metallic substrate; and
a contact layer which is applied to the metallic substrate, wherein the contact layer
includes a structured layer;
wherein the structured layer is formed by a multilayer system which is made up of successive layers having different chemical compositions, the multilayer system including
layers of indium and silver.

20. (Currently Amended) ~~[[The]]~~ An electric contact of claim 12, comprising:
a metallic substrate; and
a contact layer which is applied to the metallic substrate, wherein the contact layer
includes a structured layer;
wherein at least some area of the contact layer ~~have~~ has a noble metal cover layer which is made of one of gold, silver, platinum, ruthenium, palladium, or an alloy of these elements.

21. (Previously Presented) The electric contact of claim 11, wherein the electric contact is of a plug-in connector.

Claim 22. (Canceled).

23. (Previously Presented) The electric contact of claim 12, wherein at least some of the dispersed particles are made of a solid-state lubricant, which is graphite.

24. (New) A method of manufacturing an electric contact, comprising:
applying a contact layer to a substrate by an electrolytic method, the contact layer having a thickness between 1 μm and 3 μm and a matrix made of tin wherein particles of aluminum oxide having a size between 20 nm and 200 nm are dispersed in the matrix.